

9 GEORGE V

SESSIONAL PAPER No. 20a

A. 1919

DEPARTMENT OF RAILWAYS AND CANALS

---

CANAL STATISTICS

FOR THE

SEASON OF NAVIGATION

1918

*PRINTED BY ORDER OF PARLIAMENT.*



OTTAWA  
J. DE LABROQUERIE TACHÉ  
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY  
1919.

[No. 20a—1919.]

# КОЛЛЕКЦИЯ ФАИР

СОВЕТСКОГО Союза

и СССР в Европе

и Азии

и Африке

и Южной Америки

и Австралии

и Океании

и Американских островах

и Карибском море

и Атлантическом океане

*To His Excellency the Duke of Devonshire, K.G., P.C., G.C.M.G., C.C.V.O., etc.,  
etc., Governor General and Commander in Chief of the Dominion of Canada.*

MAY IT PLEASE YOUR EXCELLENCY,—

The undersigned has the honour to present to Your Excellency, Canal Statistics for the year ended December 31, 1918.

All of which is respectfully submitted.

J. D. REID,

*Minister of Railways and Canals.*

To the Honourable J. D. REID,  
Minister of Railways and Canals.

SIR,—I have the honour to submit the annual report of the Comptroller of Statistics in relation to the operations of the Canals of the Dominion for the year ended December 31, 1918.

I have the honour to be, sir,  
Your obedient servant,  
G. A. BELL,  
*Deputy Minister of Railways and Canals.*

OFFICE OF THE COMPTROLLER OF STATISTICS,  
OTTAWA, April 7, 1919.

G. A. BELL, Esq., C.M.G.,  
Deputy Minister of Railways and Canals.

SIR,—I have the honour to submit herewith Canal Statistics for the year ended December 31, 1918.

ABRIDGED REPORT.

The condensed and abridged form of report adopted last year, owing to conditions created by the war, has been continued for 1918.

VOLUME AND DISTRIBUTION OF TRAFFIC.

	Tons.	Increase.	Decrease.
	Tons.	Tons.	Tons.
Sault Ste Marie.....	12,913,711		2,533,381
Welland.....	2,174,298		316,244
St. Lawrence.....	3,031,134		360,010
Chambly.....	369,186		65,632
St. Peter's.....	59,716		2,538
Murray.....	44,735		12,868
Ottawa.....	167,170		47,665
Rideau.....	54,136		30,413
Trent.....	64,893	15,969	.....
St. Andrews.....	4,640		2,534
Total.....	18,883,619	15,969	3,371,285

GROSS TRAFFIC SINCE 1915.

	Tons.		Tons.
1905.....	9,371,744	1912.....	47,587,245
1906.....	10,523,185	1913.....	52,053,913
1907.....	20,543,639	1914.....	37,023,237
1908.....	17,502,820	1915.....	15,198,803
1909.....	33,720,748	1916.....	23,583,491
1910.....	42,990,608	1917.....	22,238,935
1911.....	38,030,353	1918.....	18,883,619

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## ANALYSIS OF TRAFFIC.

Canals.	Products of the Farm.	Manu- factures.	Products of Forest.	Products of Mines.	Total.	
1917.	Tons.	Tons.	Tons.	Tons.	Tons.	
Sault Ste. Marie.....	1,513,446	259,983	41,808	11,098,474	12,913,711	
Welland.....	287,986	229,829	123,979	1,532,504	2,174,298	
St. Lawrence.....	337,862	235,014	397,678	2,060,580	3,031,134	
Chamby.....	21,124	30,271	219,387	98,404	369,186	
St. Peter's.....	9,790	6,793	1,940	41,193	59,716	
Murray.....		7,796		36,939	44,735	
Ottawa.....	6,450	19,048	84,540	57,132	167,170	
Rideau.....	3,311	9,408	7,378	34,039	54,136	
Trent.....	2,155	2,274	59,367	1,097	64,893	
St. Andrews.....	7	54	4,579		4,640	
Total.....	2,182,131	800,470	940,656	14,960,362	18,883,619	
—	1913.	1914.	1915.	1916.	1917.	1918.
Products of the farm .....	Per cent. 16·44	Per cent. 21·55	Per cent. 34·18	Per cent. 22·00	Per cent. 17·27	Per cent. 11·56
Manufactures.....	3·61	3·29	7·21	3·53	3·65	4·25
Products of forest.....	3·22	4·38	9·83	5·87	5·26	4·94
Products of mine .....	76·73	70·78	48·78	68·60	73·82	79·25

## CANADIAN AND AMERICAN TRAFFIC.

Neither the Canals of Canada nor those of the United States impose tolls. Perfect reciprocity prevails in the use of these artificial waterways.

Year.	Canadian Vessels.		U.S. Vessels.		Freight Tonnage.		
	No.	Tonnage.	No.	Tonnage.	Canada.	United States.	Total.
1908.....	29,040	6,780,789	7,489	4,835,320	5,012,147	12,190,673	17,502,820
1909.....	22,507	7,811,578	9,996	16,459,322	7,378,057	26,342,691	33,720,748
1910.....	25,337	8,931,790	11,462	21,777,297	7,883,614	35,106,994	42,990,608
1911.....	25,585	9,172,192	10,370	18,231,622	7,792,907	30,237,446	38,030,353
1912.....	27,371	10,237,335	11,785	24,636,190	9,376,529	38,210,716	47,587,245
1913.....	28,654	12,078,041	10,739	24,238,788	11,130,875	40,923,038	52,053,913
1914.....	26,125	12,050,856	7,742	15,636,414	9,382,206	27,641,031	37,023,237
1915.....	21,575	9,398,207	6,415	7,385,101	6,789,423	8,409,380	15,198,803
1916.....	23,002	9,839,029	6,800	10,660,839	7,486,962	16,096,529	23,583,491
1917.....	21,588	9,831,694	6,594	10,259,772	5,964,369	16,274,566	22,238,935
1918.....	18,909	7,800,972	6,791	9,616,200	3,369,477	15,514,142	18,883,619

## TRANSPORTATION OF CANADIAN WHEAT.

Since 1895 the volume of Canadian wheat annually carried through the Canadian canal at Sault Ste. Marie has been as follows :—

	Bushels.		Bushels.
1895.....	1,087,800	1907.....	34,602,00
1896.....	7,274,000	1908.....	41,793,30
1897.....	9,130,167	1909.....	48,047,83
1898.....	3,456,934	1910.....	51,774,83
1899.....	7,699,267	1911.....	63,641,00
1900.....	5,573,267	1912.....	83,743,03
1901.....	5,893,034	1913.....	101,066,133
1902.....	19,896,900	1914.....	77,467,833
1903.....	25,807,800	1915.....	48,727,911
1904.....	25,250,969	1916.....	82,807,342
1905.....	22,603,500	1917.....	60,551,243
1906.....	26,361,400	1918.....	19,987,255

In 1918 a large volume of Canadian wheat passed through the American canal at Sault Ste. Marie. This was true, in degree, of preceding years.

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## COMPARISON OF 1915, 1916 AND 1917.

—	1915.	1916.	1917.	1918.
	Bushels.	Bushels.	Bushels.	Bushels.
Through the Canadian Canal.....	48,727,911	82,807,342	60,551,243	19,987,255
Through the American Canal.....	121,389,950	102,196,325	98,023,019	42,312,016
Total.....	170,117,861	185,003,667	158,574,262	62,299,271

Canadian wheat in the form of flour, had a total of 7,061,913 bushels. There were 1,569,314 barrels of flour, which were calculated into wheat on the basis of 4½ bushels to the barrel.

The total volume of waterborne wheat in 1917 and 1918 would thus be made up as follows :—

	1917. Bushels.	1918. Bushels.
Through the Canadian canal.....	60,551,243	19,987,255
Through the American canal.....	98,023,019	42,312,016
In the form of flour .....	13,230,850	7,061,913
Total.....	171,805,112	69,361,184

The distribution of Canadian wheat, moved through the Canadian and American canals at Sault Ste. Marie from Port Arthur-Fort William, was as follows :—

From	1915.	1916.	1917.	1918.
	Bushels.	Bushels.	Bushels.	Bushels.
Port Arthur-Fort William.				
To Montreal.....	3,512,410	1,233,982	1,280,170	728,500
To Georgian Bay ports.....	25,065,999	46,406,749	52,453,042	38,774,391
To other Canadian ports.....	33,067,613	28,029,847	31,369,487	20,638,204
To Buffalo.....	106,784,542	106,349,943	72,872,692	2,158,176
Total.....	168,430,564	182,020,521	157,975,391	62,299,271

"Other Canadian ports" practically means Port Colborne at the western entrance to the Welland Canal.

## MOVEMENT OF CANADIAN WHEAT BY MONTHS, 1918.

	1918.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
	Bushels.	Bushels.	Bushels.	Bushels.	Bushels.	Bushels.	Bushels.	Bushels.	Bushels.	Bushels.	Bushels.
<i>Canadian Canal.</i>											
Fort William-Port Arthur to Montreal.	71,817	50,500	241,633	66,550	46,000	160,000	92,000	92,000	816,646	728,500	
Georgian Bay	"	564,500	"	54,000	98,366	4,283,611	3,175,500			9,443,323	
Other Can. ports.	"	749,000	449,000	302,000	2,811,000	1,958,832	1,414,500			9,307,432	
Buffalo	"	445,300	62,700	"	"	"	"			508,000	
<b>Total.</b>	<b>396,600</b>	<b>1,081,517</b>	<b>1,686,300</b>	<b>753,333</b>	<b>422,550</b>	<b>934,866</b>	<b>7,254,611</b>	<b>5,226,332</b>	<b>2,231,146</b>	<b>19,987,255</b>	
<i>American Canal.</i>											
Fort William-Port Arthur to Montreal.	140,000	959,031	233,000	24,000	268,000	2,183,876	17,862,987	4,487,000	29,331,068		
Georgian Bay	3,173,174	556,268	988,000	152,009	54,500	1,966,000	3,607,550	3,508,331	11,330,772		
Other Can. ports.	"	754,787	400,000	"	"	"	121,630	"	1,650,176		
Buffalo	"	373,759	"	"	"	"	"	"			
<b>Total.</b>	<b>4,045,047</b>	<b>1,451,055</b>	<b>2,347,031</b>	<b>385,009</b>	<b>78,500</b>	<b>268,000</b>	<b>4,149,876</b>	<b>21,592,167</b>	<b>7,995,331</b>	<b>42,312,016</b>	
<i>Canadian and American Canals.</i>											
Fort William-Port Arthur to Montreal.	50,500	241,633	66,550	46,000	160,000	92,000	92,000	92,000	92,000	728,500	
Georgian Bay	400,700	1,523,531	233,000	78,000	366,366	6,467,487	21,038,487	5,303,664	5,303,664	38,774,391	
Other Can. ports.	"	1,305,268	1,614,000	601,009	356,500	790,500	5,566,382	4,922,831	4,922,831	20,638,204	
Buffalo	"	754,787	845,300	62,700	"	"	121,630	"	"	2,158,176	
<b>Grand total.</b>	<b>4,441,647</b>	<b>2,532,572</b>	<b>4,033,331</b>	<b>1,138,342</b>	<b>501,050</b>	<b>1,202,866</b>	<b>11,404,487</b>	<b>26,818,499</b>	<b>10,226,477</b>	<b>62,299,271</b>	

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There was a large volume of wheat moved during the year 1918 from Port Colborne to Montreal, which might properly be added to the foregoing total for Fort William-Port Arthur to Montreal. Port Colborne was used as a port of transfer. It might, in fact, be assumed that nearly all the wheat moved from the head of the Great Lakes to "other Canadian ports" actually went to Montreal.

A helpful light is thrown on the foregoing table when the monthly totals are reduced to a percentage basis, as follows :—

	1915.	1916.	1917.	1918.		1915.	1916.	1917.	1818.	
April.....	4·8	8·6	....	7·1		September.....	7·3	6·1	4·1	1·9
May.....	5·5	16·9	19·2	4·1		October.....	27·5	8·7	19·6	18·3
June.....	2·0	11·9	14·5	6·5		November.....	29·7	12·0	21·6	43·1
July.....	1·9	14·4	6·1	1·8		December.....	20·0	9·6	9·7	16·4
August.....	1·3	11·8	5·2	·8						

## FREIGHT RATES BY WATER.

Carriers by water obtained exceptionally high rates on wheat during the season of 1918, which may be accepted as indicating heavy tolls for all commodities.

Rates of freight over the different routes were as follows :—

Port Arthur—Fort William to Montreal—	1915.	1916.	1917.	1918.
Per ton, per mile.....	0·132 cent.	0·205 cent.	0·265 cent.	0·309 cent.
Per bushel.....	4·99 "	7·55 "	9·78 "	11·39 "
Per ton.....	\$1·66	\$2·52	\$3·26	\$3·80
Port Arthur—Fort William to Georgian Bay—				
Per ton per mile.....	0·282 cent.	0·264 cent.	0·270 cent.	0·277 cent.
Per bushel.....	3·54 "	4·10 "	4·25 "	4·32 "
Per ton.....	\$1·18	\$1·37	\$1·42	\$1·44
Port Arthur—Fort William to other Canadian ports—				
Per ton per mile.....	0·124 cent.	0·169 cent	0·185 cent.	0·205 cent.
Per bushel.....	2·84 "	3·68 "	4·18 "	4·48 "
Per ton.....	94·80	\$1·22	\$1·39	\$1·49
Port Arthur—Fort William to Buffalo—				
Per ton per mile.....	0·159 cent.	0·159 cent.	0·196 cent.	0·158 cent.
Per bushel.....	3·97 "	4·27 "	5·00 "	4·11 "
Per ton.....	\$1·32	\$1·42	\$1·67	\$1·37

The rates from Duluth were substantially the same as Port Arthur-Fort William.

In order that the bearing of the foregoing freight rates may be properly understood in their relationship to gross earnings, allowance should be made for the following charges paid by ship owners on all cargoes of wheat moved between Fort William and Montreal :—

Clearing house at Fort William.....	·01 to ·03 cent per bush.
Trimmers at Fort William.....	·06 "
Elevation at Montreal.....	·30 "
Shovelling at Montreal.....	·20 "
Total.....	·59 cent per bushel.

To Port Colborne the average deductions would amount to ·44 per bushel to Buffalo ·41, and to Georgian Bay ports ·38.

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## MOVEMENT OF OTHER CANADIAN GRAIN.

A considerable volume of other Canadian grain than wheat passed through the Canadian and American canals at Sault Ste. Marie in 1918.. The facts for the past four years are as follows :—

—	1915.	1916.	1917.	1918.
	Bushels.	Bushels.	Bushels.	Bushels.
Oats.....	26,798,488	57,743,636	37,014,644	10,120,625
Barley.....	4,496,509	8,679,607	5,149,725	3,470,358
Flax seed.....	2,068,582	4,931,569	5,073,760	1,588,052
Total.....	33,363,579	71,354,812	47,238,129	15,179,035

VESSEL AND FREIGHT TONNAGE PASSED THROUGH THE SAULT STE. MARIE CANAL,

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Years.	Canadian Vessels.		U.S. Vessels.		Total No.	Vessel Tonnage.	Freight Tonnage.		Lockages.	Days Open.	Remarks.
	No.	Tonnage.	No.	Tonnage.			Canadian.	United States.			
1895	609	126,534	583	623,092	1,192	749,623	.....	.....	595,837	699	87 Canal first opened Sept. 9, 1895.
1896	2,070	589,407	3,066	3,805,749	5,136	4,395,156	4,577,399	3,042	4,577,399	3,042	218
1897	1,909	405,546	2,359	3,391,936	4,268	3,797,482	4,947,065	2,604	4,947,065	2,604	238
1898	1,811	403,931	1,864	2,353,699	3,675	2,757,630	3,055,387	2,520	3,055,387	2,520	243
1899	2,000	558,552	1,769	2,389,457	3,769	2,948,009	3,006,664	2,610	3,006,664	2,610	239
1900	1,790	577,310	1,291	1,617,438	2,081	2,194,748	2,035,677	2,205	2,035,677	2,205	238
1901	2,796	775,151	1,408	1,674,597	4,204	2,449,748	2,820,394	2,910	2,820,394	2,910	246
1902	3,080	1,366,930	1,964	3,237,372	5,044	4,604,302	4,729,268	3,418	4,729,268	3,418	264
1903	2,711	1,615,939	1,640	3,146,897	4,351	4,762,746	5,511,868	3,242	5,511,868	3,242	256
1904	2,637	1,555,042	1,325	2,675,663	3,962	4,230,705	5,030,705	3,022	5,030,705	3,022	241
1905	3,970	1,803,299	1,692	2,734,349	5,662	5,537,637	5,473,406	4,031	5,473,406	4,031	255
1906	3,922	1,959,252	1,758	4,399,872	5,680	6,359,124	6,574,039	4,152	6,574,039	4,152	253
1907	3,217	2,154,688	3,132	9,961,281	5,349	12,115,969	15,588,165	4,596	15,588,165	4,596	238
1908	3,289	2,603,232	2,204	7,035,655	5,293	9,638,887	2,092,231	10,666,985	12,759,216	3,667	235
1909	2,597	2,968,936	3,734	14,850,738	6,331	17,839,674	3,366,495	24,494,750	27,804,245	5,046	240
1910	2,744	3,173,494	5,228	20,187,704	7,972	23,361,198	2,345,619	33,050,068	36,395,687	6,110	248
1911	2,713	3,108,880	4,068	16,252,340	6,781	19,361,220	3,177,581	27,774,128	30,951,709	6,802	236
1912	2,643	3,296,229	5,213	22,536,015	7,856	25,832,244	4,090,362	35,579	293,39,669,655	6,200	240
1913	3,279	3,793,434	5,006	22,181,007	8,285	25,974,441	4,954,734	37,744,590	42,699,324	6,206	246
1914	3,011	3,473,292	2,966	13,827,870	6,977	17,301,162	3,609,747	23,989,437	27,599,184	4,712	239
1915	3,000	3,011,003	1,331	5,443,812	4,331	8,484,815	2,561,734	5,189,223	7,750,957	4,374	248
1916	4,595	4,089,937	2,094	8,703,187	6,689	12,793,124	4,155,911	12,657,738	16,813,649	4,777	245
1917	3,199	3,182,960	2,138	8,712,604	5,337	11,895,564	2,875,590	12,571,503	15,447,092	4,142	237
1918	3,067	2,436,500	1,992	7,594,042	5,059	10,030,542	1,336,861	11,576,850	12,913,711	4,034	241

I have the honor to be, sir,

Your obedient servant,

J. L. PAYNE,

Comptroller of Statistics.

# THE SIGHTINGS OF GRANDE BOUTIN THROUGH THE SUCCESSION OF NAVIGATIONS 1917 AND 1918.

Year	From Canadian Ports to United States Ports		From United States to Canadian Ports		Total Tons.
	Up.	Down.	Up.	Down.	
1917					
Saint John, N. Br.	1,946,779	13,848	149,710	11,113,535	2,856,465
Weymouth	145,580	158,609	13,934	21,906	1,463,095
Sydney	263,943	795,288	292,214	50	5,257
Gloucester	3,290	5,006	253,353	15,518	17
St. Peter's	14,520	47,624	-	-	
Merrimac	51,987	2,418	141,681	48,392	
Quincy	12,101	52,287	20,284	2,980	
Ridder	15,678	33,246	32,246	2,980	
Trenton	7,081	171	15,678	48,924	
Armenia	-	-	7,002	7,174	
Grand Total	3,695,267	718,024	771,528	463,661	11,135,534
1918					
Sault Ste. Marie	225,477	877,607	9,520	241,004	342,237
Wellesley	75,284	785,154	76,712	6,551	10,923
St. Lawrence	152,604	407,725	261,304	2,105,433	6,609
Charlottetown	2,907	11,501	247,826	106,630	360
St. Petersburgh	15,615	45,801	13,915	45,801	
Murrayville	40,576	3,511	44,735	4,330	
Ottawa	13,715	83,732	19,572	147,218	19,572
Rideau Falls	24,241	19,572	34,564	19,572	34,564
Trenton	16,702	48,697	16,796	48,697	16,702
St. Andrews	4,620	14	4,626	4,640	4,620
Grand Total	631,716	1,883,409	535,402	370,949	3,243,316
					16,640,303
					3,369,477
					15,514,142
					18,883,619
					3,898,777
					664,035
					2,243,316
					10,457,078

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TABLE 2.—Statement showing the Number, Tonnage, and Nationality of Vessels passed through the several Canals during the Season of Navigation in 1918.

Canadian Vessels. Steam and Sail.	Total Number.	From Canadian to Canadian Ports.				From Canadian to United States Ports.				From United States to Canadian Ports.				Tons.								
		Up.		Down.	Up.	Down.		Up.	Down.	Up.		Down.	Up.	Down.	Total tons.							
		Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.									
Sault Ste. Marie.....	3,067	795	809	679	275	220	470	85	128	215	882	290	575	139	320	10,041	1,371,481	1,065,019	2,436,500			
Welland.....	2,088	240	192	247	142	641	960	376	9,128	1,668	1,004	791	115	1,397	262	891,280	869,021	1,760,301				
St. Lawrence.....	5,687	636	131	651	246	760	127	295	...	...	...	16	745	42	897	1,442,656	2,839,918					
Chambly.....	571	26	008	26	760	16	889	112	2,249	...	3,564	...	...	109	198	43	505	86,402				
Ottawa.....	1,165	105	522	107	545	35	673	39	814	...	...	5	836	836	109,794	109,794	218,992					
Rideau.....	1,156	35	673	35	673	32	971	32	971	...	...	5	836	58,568	35,673	35,673	39,814	75,487				
St. Peter's.....	1,067	35	770	35	770	86	583	86	583	...	...	5	836	58,568	35,770	35,770	32,971	68,741				
Trent Valley.....	3,540	85	413	54	777	54	909	3,786	260	...	...	5	836	58,568	85,413	85,413	86,583	171,996				
Murray.....	438	13	117	13	117	14	945	14	945	...	...	5	836	58,568	13,117	13,117	14,945	114,573				
St. Andrews.....	130	18,909	2,028	412	1,941	190	1,643	344	88,308	225,010	292,243	143,893	1,438,572	4,040,659	3,760,313	3,760,313	7,800,972					
 Total Canadian																						
 United States Vessels.																						
Sault Ste. Marie.....	1,992	50	790	48	691	52	215	156	365	2,584	338	4,492	448	172	274	36,921	2,859,617	4,734,425	7,594,042			
Welland.....	1,104	26	851	18	969	213	907	2	146	17	518	10	512	1,378	543	807	259,654	555,434	835,088			
St. Lawrence.....	1,610	11	967	5	239	326	897	19	603	...	...	10	485	595	916	349,349	620,758	970,107				
Chambly.....	1,726	6	299	1	658	87	120	19	446	...	...	...	...	8	753	...	87,120	90,200	177,320			
Ottawa.....	323	1	658	1	658	1	658	1	658	...	...	...	...	15	552	15,552	19,446	34,498				
Rideau.....	8	4	273	27	37	553	27	553	177	388	2	63	4	22	1,658	1,658	2,273	2,273	546			
St. Peter's.....	9	15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	100	100	37	137		
Trent Valley.....	15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	945	945	201	1,146		
Murray.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
St. Andrews.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
Total United States.....	6,791	97	875	74	867	680	692	197	737	2,602	244	4,502	962	192	957	1,266	866	3,573	768	6,042	432	9,616,200
Grand total Canadian and United States.....	25,700	2,126	287	2,016	57	2,324	036	286	045	2,827	254	4,795	205	336	850	2,705	438	7,614	427	9,802	745	17,417,172

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Table 3 Statement showing the Number, Tonnage, and Nationality of Vessels passed through the several Canals during the Season of Navigation in 1918—Concluded.

Vessel No.	Total Num- ber.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to Canadian Ports.		From United States to Canadian Ports.		Total tons.
		Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	
<b>Sault Ste. Marie Canal</b>										
Canadian Vessels.....	2,786	773,823	651,737	220,470	82,753	215,882	290,575	137,249	10,041	1,347,424
Sail.....	281	21,986	24,535	2,375	2,375	2,071	2,071	2,071	24,057	26,913
Total, Canadian Vessels.....	3,067	795,809	679,275	220,470	85,128	215,882	290,575	139,320	10,041	1,371,481
United States Vessels, Steam.....	1,976	50,005	48,253	52,215	154,601	2,584,338	4,492,448	170,562	36,921	2,857,210
Sail.....	16	125	438	1,701	1,701	1,712	1,712	1,712	2,407	2,142
Total, United States Vessels.....	1,992	50,790	48,691	52,215	156,365	2,584,338	4,492,448	172,274	36,921	2,859,617
Grand total, Sault Ste. Marie Canal	5,059	816,599	727,966	272,685	241,493	2,800,220	4,783,023	311,594	46,962	4,231,098
<b>Welland Canal</b>										
Canadian Vessels.....	1,726	186,026	199,521	584,217	376	7,088	1,668	545,187	777,331	746,752
Sail.....	362	51,101	47,621	57,743	2,040	...	...	71,648	113,949	122,269
Total, Canadian Vessels.....	2,088	240,192	247,142	641,960	376	9,128	1,668	619,835	891,280	869,021
United States Vessels, Steam.....	970	6,794	4,413	206,379	1,525	16,371	8,838	513,160	230,922	527,936
Sail.....	174	20,057	14,556	7,525	621	1,147	1,674	30,617	28,732	47,498
Total, United States Vessels.....	1,144	26,851	18,969	213,907	2,146	17,518	10,512	543,807	259,654	575,434
Grand total, Welland Canal.....	3,192	267,043	266,111	55,567	2,522	26,646	12,180	1,378	1,163,642	1,150,934
<b>Lachine Canal</b>										
Canadian Vessels, Steam.....	3,430	355,264	367,462	646,797	603,760	1,001,656	1,031,231	2,032,587	1,001,656	1,031,231
Sail.....	2,257	280,867	283,784	113,737	127,346	395,606	411,425	807,631	1,001,656	1,031,231
Total, Lachine Canal	5,687	636,131	651,246	760,127	791,115	1,397,262	1,442,656	2,839,918	1,001,656	1,031,231

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United States Vessels, Steam.....	1,122	4,013	4,332	304,430	575,181	883,624
Sail.....	488	7,954	907	22,467	19,603	45,577
Total, United States.....	1,610	11,967	5,239	326,897	19,603	40,906
Grand total, St. Lawrence Canals	7,297	648,098	656,485	1,087,024	19,898	86,483
CHAMBLY CANAL.						
Canadian Vessels, Steam.....	146	19,859	19,846	16,889	27	19,859
" " Sail.....	425	6,149	6,914	16,889	16,718	23,038
Total, Canadian.....	571	26,008	26,760	16,889	16,745	42,897
United States Vessels, Steam.....	1,726	.....	.....	87,120	90,200	90,200
" " Sail.....	1,726	.....	.....	87,120	87,120	90,200
Total, United States.....	2,297	26,008	26,760	104,009	106,945	130,017
Grand total, Chambly Canal.....						
OTTAWA CANALS.						
Canadian Vessels, Steam.....	572	54,424	58,742	112	896	55,208
" " Sail.....	593	51,098	48,803	1,353	2,892	53,990
Total, Canadian.....	1,165	105,522	107,545	112	2,249	3,564
United States Vessels, Steam.....	323	6,299	.....	19,446	8,753	15,052
" " Sail.....	323	6,299	.....	19,446	8,753	15,052
Total, United States.....	1,488	111,821	107,545	112	21,695	124,250
Grand total, Ottawa Canals.....						
RIDEAU CANAL.						
Canadian Vessels, Steam.....	1,031	30,161	33,831	.....	30,161	33,831
" " Sail.....	125	5,512	5,983	.....	5,512	5,983
Total, Canadian.....	1,156	35,673	39,814	.....	35,673	39,814
United States Vessels, Steam.....	.....	1,658	1,658	.....	.....	1,658
" " Sail.....	.....	1,658	1,658	.....	.....	1,658
Total, United States Vessels.....	1,164	37,331	41,472	.....	.....	37,331
Grand total, Rideau Canal.....						

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United States Vessels, Steam.....	15	...	...	...	...	...	...	...	...	...	...	...	...	...	1,146
Sail.....															
Total, United States.....	15	...	...	...	...	...	...	...	...	...	...	...	...	...	1,146
Grand total, Murray Canal.....	453	54,777	54,909	4,339											115,719
ST. ANDREWS CANAL.															
Canadian Vessels, Steam.....	99	9,290	9,171												
Sail.....	31	3,827	5,774												
Total, Canadian.....	130	13,117	14,945												28,062
United States Vessels, Steam.....															
Sail.....															
Total, United States.....															
Grand total, St. Andrews Canal.....	130	13,117	14,945												28,062

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TABLE 4.—Comparative Statement of all the Canals, for the years ending December 31, for 1917 and 1918.

Articles.	1917.	1918.	Increase.	Decrease.
	Tons.	Tons.	Tons.	Tons.
<b>CLASS No. 1.</b>				
Canadian Vessels, Steam	8,069,255	6,401,007		1,668,248
" " Sail	1,762,439	1,399,965		362,474
United States Vessels, Steam	9,934,251	9,202,963		731,288
" " Sail.....	325,521	413,237	87,716	
Total Class No. 1	20,091,406	17,417,172	87,716	2,762,010
<b>CLASS No. 2.</b>				
Passenger	244,819	212,151		32,668
<b>CLASS No. 3.</b>				
Bacon	137,518	145,620	8,102	
Bread wheat	16	4		12
Corn	15,658	3,626		12,032
Oats	398,376	231,240		167,136
Rye	5,789	27,805	22,016	
Tax	35,232	54,788	19,556	
Pearl	112	67		45
Wheat	2,815,253	1,330,740		1,484,513
Hair	356,428	319,733		36,695
Hay	25,678	32,682	9,054	
Other Mill Products.....	32,872	5,525		27,347
Fruit and vegetables	3,449	3,578	129	
Potatoes	3,361	4,209	848	
Livestock	1,249	1,167		82
Poultry, game and fish	2,451	3,224	773	
Dresserments	128	8,854	8,726	
Other packing house products	688	327		361
Hides and leather	107	41		66
Wood	115	1,293	1,178	
All other animal products.....	8,701	7,608		1,093
Total Class No. 3	3,841,131	2,182,131	70,382	1,729,382
<b>CLASS No. 4.</b>				
Agricultural implements	22,160	1,296		20,864
Cement, bricks and lime.....	25,107	4,869		20,238
Household goods and furniture.....	5,879	1,807		4,072
Iron—pig and bloom.....	7,466	7,991	525	
Iron and steel, all other.....	44,555	61,606	17,051	
Petroleum and other oils.....	200,857	151,105	50,248	
Sugar	6,874	16,934	10,070	
Salt.....	21,915	26,15	4,400	
Wines, liquors and beers.....	4,448	1,884		2,564
Merchandise not enumerated.....	473,937	470,09		47,244
Total Class No. 4	813,158	800,470	82,294	94,982
<b>CLASS No. 5.</b>				
Brick	692,737	510,868		181,869
Concrete	408,846	376,315		32,531
Gravel	5,77	1,731		3,542
Shingles.....	1,994	3,408	1,414	
Timber	4,75	48,334		43,218
Total, Class 5.....	1,170,402	940,656	1,414	231,160

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Articles.	1917.	1918.	Increase.	Decrease.
CLASS No. 6.	Tons.	Tons.	Tons.	Tons.
Hard coal.....	832,924	593,411		239,513
Soft coal.....	3,887,353	3,870,350		17,003
Coke.....	4,907	4,500		407
Copper ore.....	8,644	22,107	13,463	
Iron ore.....	11,140,499	10,102,495		1,038,004
Other ore.....	27,708	14,473		13,235
Sand, etc.....	512,209	353,026		159,183
Total, Class 6.....	16,414,244	14,960,362	13,463	1,467,345
Grand total.....	22,238,935	18,883,619	167,553	3,522,869

Net decrease 3,355,316 tons.

Table 7 (No. 1)—General Statement showing the Quantity of each Article Transported on the Sault Ste. Marie Canal during the Season of Navigation in 1917.

Articles.	From Canadian to Canadian Ports..		From Canadian to United States Ports.		From United States to Canadian Ports.		From United States to Canadian Ports.		Total Tons.		Origin of Cargo.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Canada.	U.S.	
Agricultural implements	250	53,927					30,545	1,560	250	250	
Barley	431	5						1,560	84,472	86,032	32,105
Cement, bricks, etc...								4,431	5	436	
Coal, L. Ird...								78,825	3,200	82,025	
" St...								864,021		864,016	
Coke								4,500		4,500	
Fax...									45,641	45,641	
Flax...								286,253	286,253	115,053	20,591
Flour								171,200	126	126	171,200
Fruits and vegetables.									55	55	
Hay		55							3,055	3,055	
Iron, pig and bloom...		3,055							5,601	210	
Iron and steel, all other.		3,307		210					15,669	15,669	
Merchandise.....	189,269		4,947		6,423		13,973	4,299	205,765	94,854	201,659
Oats			83,740				8,615	2,499		83,740	19,775
Other Mill Products...			1,273				740		2,013	2,013	11,114
" Woods...			740						732	740	740
Ore, all other.....			256						12,461	10,880	1,472
" Copper...			10,880							23,341	1,472
" Iron...										16,509	6,832
Petroleum	6,147	128								6,147	6,147
Poultry, game and fish										128	128
Pulpwood	8,175		2,064							17,239	11,940
Rye											17,239
Sawed lumber....			3,052								27,798
Shingles...			47								27,798
Square Timber.....											3,052
Sugar											24,746
Salt											6,980
Wheat											6,980
Wool.											2,844
Total Freight.....		225,857	877,507	9,520	241,094	342,237	10,481,093	651,247	85,156	1,228,861	11,684,850
										12,913,711	1,336,861

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TABLE 7 (No. 2)—General Statement showing the Quantity, of each Article Transported on the Welland Canal during the Season of Navigation in 1918.

Articles	From Canadian to Canadian Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Total Tons.		Origin of Cargo.	
	Up.	Down.	Up.	Down.	Up.	Down.	Canada.	U.S.		
Agricultural implements										
Barley	600	29,286					600	600		
Coal, Hard			1,000				29,286	29,286	1,000	
" soft					1,401	358	1,401	358	1,401	358
Corn					1,697		1,697		1,697	
Dressed Meats					4,421		4,421		4,421	
Flax					4,275		4,275		4,275	
Flour					1,668	950	14,644	9,618	12,976	9,618
Hay							3,490	3,490	3,490	
Iron, pig and bloom							1,711	1,235	2,152	1,794
Iron and steel, all other							5,612	11,814	5,612	11,814
Merchandise							39,074	11,306	39,110	11,681
Oats							20,053	66,900	25,856	41,044
Ore, all other									8,923	8,923
Petroleum									59,578	59,578
Pulpwood									121,755	121,755
Sawed Lumber									764	764
Sugar									60	60
Sand and stone									75,573	75,573
Wheat									2,200	2,200
Total Freight	95,285	385,684	76,712	9,923	5,985	5,985	1,600,709	1,920	1,920	1,678,691

WICHITA FALLS, TEXAS.—The quality of navigation through the Arkansas River during the season of navigation in 1918, showing the quantity of tonnage transported on the Wichita River, is summarized in the following table:

From Canadian to Canadian Ports.		From Canadian to United States Ports		From United States from United States to Canadian Ports.		From Canadian to Canadian Ports.		
Avg. ton.	Tons	Avg. ton.	Tons	Avg. ton.	Tons	Avg. ton.	Tons	
<b>Various metal implements.</b>								
Barley	1,000	29,286	600	29,286	29,286	1,000	1,000	
Cool, horl.	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
"	"	"	"	"	"	"	"	
Corn.	1,697	1,697	1,697	1,697	1,697	1,697	1,697	
Dress. & meat	4,421	4,421	4,421	4,421	4,421	4,421	4,421	
Fay	4,275	4,275	4,275	4,275	4,275	4,275	4,275	
Fruit	14,644	15,594	14,644	15,594	14,644	15,594	14,644	
Hhds	3,190	3,190	3,190	3,190	3,190	3,190	3,190	
Iron. Pig and bloom.	1,711	1,735	1,711	1,735	1,711	1,735	1,711	
Iron and steel, all other	5,612	11,814	5,612	11,814	5,612	11,814	5,612	
Mfr. handis...	39,074	39,109	39,074	39,109	39,074	39,109	39,074	
Oil etc.	20,053	20,053	20,053	20,053	20,053	20,053	20,053	
Orn. all other...	8,923	8,923	8,923	8,923	8,923	8,923	8,923	
Pearl, Agum	149,132	149,132	149,132	149,132	149,132	149,132	149,132	
Pipes, coof	73,527	73,527	73,527	73,527	73,527	73,527	73,527	
Silver, 1 lumen...	60	60	60	60	60	60	60	
Sugar	2,200	2,200	2,200	2,200	2,200	2,200	2,200	
Sund. and stone	159,655	159,655	159,655	159,655	159,655	159,655	159,655	
Wheat	2,200	100,123	2,200	100,123	2,200	100,123	2,200	
Total Freight.	47,057	231,153	76,712	133,692	1,513,453	1,977,175	392,854	1,584,321
					5,985	9,923		

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TABLE 7 (No. 4)—General Statement showing the Quantity of each Article transported on the Welland Canal during the Season of Navigation in 1918.

# DEPARTMENT OF RAILWAYS AND CANALS

the quantity of each article required for the service of Navigation in 1000.

Port Number	Name of Port	From Canadian Ports to United States Ports		From United States to Canadian Ports		Total Tons.	Origin of Goods.
		To Down	To Up	To Down	To Up		
70	70	77	77	3,193	3,193	795	795
71	71	2,972	2,972	30,134	30,134	32,102	32,102
72	72	4	4	4	4	4	4
73	73	617	2,955	215	215	425	673
74	74	122,195	125,555	2,575	1,516	1,516	230
75	75	1,517,502	1,519,106	1,693	1,727	31	1,693
76	76	31	2	4,121	4,121	2	4,121
77	77	12,571	12,571	15,542	5,114	10,728	10,728
78	78	1,561	2,041	660	666	8,096	8,096
79	79	6,301	3,073	9,374	5	1,275	1,275
80	80	3	2	5	5	5	5
81	81	515	600	1,205	1,205	1,205	1,205
82	82	564	505	1,732	1,732	1,732	1,732
83	83	11,918	11,908	32,017	35,315	35,315	11,918
84	84	11,908	11,908	32,017	35,315	35,315	11,908
85	85	2,802	10,606	32,740	52,514	52,514	12,459
86	86	28,475	28,475	67,619	67,551	30,829	31,525
87	87	34	34	1,055	1,402	1,402	1,055
88	88	26	26	60	60	60	60
89	89	165	165	3,165	3,165	3,165	3,165
90	90	67,785	67,785	85,584	85,584	85,584	85,584
91	91	4	4	12	12	12	12
92	92	62,325	7,657	77,007	84,664	84,664	62,325
93	93	10	10	28	35	35	28
94	94	90	90	213	303	303	213
95	95	208,519	208,519	298,519	298,519	298,519	298,519
96	96	1	1	1	1	1	1
97	97	49	18,162	77,113	95,275	95,275	49
98	98	4	4	100	100	100	100
99	99	365	365	250	250	615	615
100	100	11,164	11,164	14,624	14,624	14,624	14,624
101	101	1,061	1,061	1,112	1,112	1,112	1,112
102	102	32,480	32,480	164,212	167,612	171,451	171,451
103	103	654	654	1,072	1,072	1,072	1,072
104	104	1	1	1	1	1	1
105	105	651	651	801	801	801	801
106	106	125	125	147	147	147	147
107	107	2,200	2,200	2,200	2,200	2,200	2,200
108	108	651	651	651	651	651	651
109	109	125	125	125	125	125	125
110	110	147	147	147	147	147	147
111	111	147	147	147	147	147	147
112	112	147	147	147	147	147	147
113	113	147	147	147	147	147	147
114	114	147	147	147	147	147	147
115	115	147	147	147	147	147	147
116	116	147	147	147	147	147	147
117	117	147	147	147	147	147	147
118	118	147	147	147	147	147	147
119	119	147	147	147	147	147	147
120	120	147	147	147	147	147	147
121	121	147	147	147	147	147	147
122	122	147	147	147	147	147	147
123	123	147	147	147	147	147	147
124	124	147	147	147	147	147	147
125	125	147	147	147	147	147	147
126	126	147	147	147	147	147	147
127	127	147	147	147	147	147	147
128	128	147	147	147	147	147	147
129	129	147	147	147	147	147	147
130	130	147	147	147	147	147	147
131	131	147	147	147	147	147	147
132	132	147	147	147	147	147	147
133	133	147	147	147	147	147	147
134	134	147	147	147	147	147	147
135	135	147	147	147	147	147	147
136	136	147	147	147	147	147	147
137	137	147	147	147	147	147	147
138	138	147	147	147	147	147	147
139	139	147	147	147	147	147	147
140	140	147	147	147	147	147	147
141	141	147	147	147	147	147	147
142	142	147	147	147	147	147	147
143	143	147	147	147	147	147	147
144	144	147	147	147	147	147	147
145	145	147	147	147	147	147	147
146	146	147	147	147	147	147	147
147	147	147	147	147	147	147	147
148	148	147	147	147	147	147	147
149	149	147	147	147	147	147	147
150	150	147	147	147	147	147	147
151	151	147	147	147	147	147	147
152	152	147	147	147	147	147	147
153	153	147	147	147	147	147	147
154	154	147	147	147	147	147	147
155	155	147	147	147	147	147	147
156	156	147	147	147	147	147	147
157	157	147	147	147	147	147	147
158	158	147	147	147	147	147	147
159	159	147	147	147	147	147	147
160	160	147	147	147	147	147	147
161	161	147	147	147	147	147	147
162	162	147	147	147	147	147	147
163	163	147	147	147	147	147	147
164	164	147	147	147	147	147	147
165	165	147	147	147	147	147	147
166	166	147	147	147	147	147	147
167	167	147	147	147	147	147	147
168	168	147	147	147	147	147	147
169	169	147	147	147	147	147	147
170	170	147	147	147	147	147	147
171	171	147	147	147	147	147	147
172	172	147	147	147	147	147	147
173	173	147	147	147	147	147	147
174	174	147	147	147	147	147	147
175	175	147	147	147	147		

## CANAL STATISTICS

## SESSIONAL PAPER No. 20a

TABLE 7 (No. 6)—General Statement showing the Quantity of each Through Article Transported on the St. Lawrence Canals during the Season of Navigation in 1918.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to Canadian Ports.		From United States to Canadian Ports.		Total Tons.		Origin of Cargo. Canadian, U. States.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	
Agricultural implements	1	56	...	...	...	...	1	1	1	1	
All other animal...	51	30,132	2	...	...	...	57	56	113	113	
Barley	757	...	...	...	...	...	757	30,152	30,132	30,132	
Cement, bricks, etc....	1,875	...	...	...	...	...	1,875	409,914	411,789	411,789	
Coal, hard.	4,421	...	...	...	...	...	...	1,543,053	1,543,053	1,543,053	
" soft....	4,871	3,013	950	...	...	...	...	4,421	4,421	4,421	
Dressed meats.....	10	164	...	...	...	...	10,728	960	13,741	14,701	
Flax.....	...	316	...	...	...	...	...	1	164	165	
Flour.....	...	494	...	...	...	...	962	237	1,278	1,278	
Fruits and vegetables...	...	442	15,783	...	...	...	...	494	447	731	
Hay.....	237	...	...	...	...	...	...	...	442	889	
Household goods.....	447	...	...	...	...	...	...	1,532	27,728	29,260	
Iron, pig and bloom...	1,532	...	...	...	...	...	...	...	...	17,315	
Iron and steel, all other.	...	...	...	...	...	...	...	...	...	3	
Live stock .....	25,579	42,528	3	...	...	...	9,324	25,579	77,431	68,107	
Merchandise.....	1	38,979	...	...	...	...	28,475	1	67,454	67,455	
Oats...	140	...	...	...	...	...	...	140	...	35,930	
Other mill products...	3	...	...	...	...	...	...	...	...	140	
Packing house products...	...	...	...	...	...	...	...	...	...	...	
" Woods...	1,078	14,391	259,156	...	...	...	2,424	62,325	1,078	76,716	
Petroleum...	36,939	...	...	...	...	...	...	298,519	...	298,519	
Pulpwood	...	...	...	...	...	...	49	...	49	49	
Sawed lumber....	13,462	16	4	...	...	...	...	13,462	16	13,478	
Sugar.....	15	158,520	2,200	...	...	...	...	...	18	22	
Salt	1	22	356	...	...	...	...	3,480	2,201	164,000	
Wheat	...	...	...	...	...	...	...	...	...	356	
Wines, liquors, and beers	...	...	...	...	...	...	...	...	...	378	
Total Freight.	82,157	314,494	262,306	...	...	...	2,424	2,080,255	346,887	2,394,749	2,741,636
				...	...	...	...	...	...	629,037	2,112,599

## DEPARTMENT OF RAILWAYS AND CANALS

Table 7 (No. 7) - General Statement showing the Quantity of each Way Article Transported on the St. Lawrence Canals during the Season of Navigation in 1918.

Article to Canadian Ports	From Canadian Ports to United States Ports		From United States Ports to Canadian Ports		From United States From United States to Canadian Ports		Tons.		Origin of Cargo. Canadian U. States.
	Up.	Down.	Up.	Down.	Up.	Down.	Total Tons.		
Alumina	74	2,290	74	2,290	74	2,290	76	3,080	
Bamboo	1	2	1	2	1	2	2	2	
Bamboo, dried	1,024	645	1,554	645	2,199	1,404	4		
Bamboo, green	1,518	705	1,515	705	4,000	2,155	615		
Catgut	1,228	1,580	1,606	4,449	6,055	2,878	1,466		
Cotton	1,817	1,414	317	1,693	1,727	34	34	1,693	
Dressings	2	2	2	2	2	2	2		
Fibre	921	220	921	220	1,141	1,141	1,141		
Fruit and vegetables	242	550	242	550	501	501	501		
Hemp	6,461	1,747	6,301	1,795	8,096	8,096	8,096		
Hempseed	3	2	3	2	5	5	5		
Hides and skins	316	169	306	166	474	474	474		
Hides, dried	387	451	357	456	843	843	843		
Ink and paint, other	1,704	1,288	1,766	1,289	6,055	6,055	6,055		
Lavender	1,491	1,241	1,242	1,341	14,823	10,688	4,155		
Milk, live	5,870	5,820	5,820	5,820	6,662	6,662	6,662		
Oats	204	145	204	145	195	399	399		
Oats, whole	204	145	204	145	1,058	1,262	1,262		
Pork	21	21	31	23	57	57	57		
Wool	2,957	1,782	1,782	2,957	3,165	3,165	3,165		
Wool, dried	17,801	11,782	15,375	16,957	85,584	81,676	3,908		
Wool, raw	6,571	294	6,579	291	6,870	6,870	6,870		
Wool, worsted	10	20	10	20	33	33	33		
Rags	90	214	90	214	303	303	303		
Sawdust	18,162	10,015	18,162	10,015	95,226	95,226	95,226		
Shingles	4	4	100	100	104	104	104		
Timber, timber	3,751	280	3,751	280	615	615	615		
Tin	154	992	154	992	154	1,146	1,146		
Tin, white	1,041	48	1,041	48	1,091	1,091	1,091		
Wharf, bridge, railroad	31,200	2,212	33,412	33,412	33,142	33,142	33,142		
Wood	662	32	694	32	694	694	694		
		1		1		1	1		
Total	108,521	97,677	104,667	20,807	184,831	289,498	261,903	27,595	

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## **SESSIONAL PAPER No. 20a**

TABLE 7 (No. 8)—General Statement showing the Quantity of each Article transported on the Canal during the Season of Navigation in 1918.

# DEPARTMENT OF RAILWAYS AND CANALS

9 GEORGE V, A. 1919

**SESSIONAL PAPER No. 20a**

TABLE 7 (No. 10)—General Statement showing the Quantity of each Article Transported on the Murray (C'anal) during the Season of Navigation in 1918.

From Canadian to Canadian Ports.		From U. States to Canadian Ports.		Total Tons.		Origin of Cargo. U. States.	
Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.
Agricultural implements	1	799	1	834	834	834	834
Coal, soft	35	5	5	5	5	5	5
Household goods	5	15	439	454	454	454	454
Iron and steel, all other	15	4,244	3,025	7,269	7,269	7,269	7,269
Merchandise	4,244	3,025	36,105	36,105	36,105	36,105	36,105
Sand and stone	36,105	36,105	67	67	67	67	67
Wines, liquors and beers.	67	67	67	67	67	67	67
Total freight	40,370	3,531	4,330	44,735	43,901	43,901	43,901
				35	35	35	35

# DEPARTMENT OF RAILWAYS AND CANALS

9 GEORGE V, A. 1919

## Report on the Quality of Match Article Manufactured during the Season of Navigation in 1918.

# SESSIONAL PAPER No. 20a

TABLE 7 (No. 12)—General Statement showing the Quantity of each Article Transported on the Rideau Canal during the Season of Navigation in 1918.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From U. S. to Canadian Ports.		From U. S. to United States Ports.		Total Tons.		Origin of Cargo.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Canadian	U. States.	
Agricultural implements	• 41	60	41	60	101	101					
All other animal.....	192	1,998	192	1,998	2,190	2,190					
Barley		11		11	11	11					
Cement, bricks, etc.	181	132	181	132	313	313					
Coal, hard	1	1,336	1	1,336	3,230	3,230					
Coal, soft		437		437	438	438					
Corn		35		35	35	35					
Flour		137		137	142	142					
Fruits and vegetables		5		5	15	15					
Hay		15		15	18	18					
Hides and Leather		620		620	12	12					
Household goods		71		71	15	15					
Iron, pig and bloom		46		46	47	47					
Iron and steel, all other		957		957	92	92					
Live stock		20		20	39	39					
Merchandise		3,857		3,857	2,230	2,230					
Oats		3		3	5	5					
Other mill products		3,857		3,857	140	140					
Other packing house products		28		28	1	1					
Other woods		353		353	80	80					
Ore, all other		233		233	329	329					
Petroleum		4		4	4	4					
Poultry, game and fish		3		3	7	7					
Potatoes		24,571		24,571	740	740					
Pulpwood		892		892	5,800	5,800					
Sand and stone		31		31	5,118	5,118					
Sawed lumber		160		160	2	2					
Shingles		460		460	107	107					
Square timber		316		316	49	49					
Sugar		171		171	5	5					
Salt					191	191					
Wheat					1	1					
Wines, liquors and beers											
Wool											
Total Freight		33,228		33,228	18,707	18,707					
		2,201		2,201	54,136	54,136					
					50,663	50,663					

TABLE 7 (No. 13)—General Statement shwoing the Quantity of each Article Transported on the Trent Valley Canal during the Season of Navigation of 1918.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From U. S. to Canadian Ports.		1 From U. S. to Canadian Ports.		Tons.		Total Tons. Origin of Cargo.	
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
Agricultural implements	33	5					33	5	38	38		
All other animal	152	31					152	31	31	31		
Barley	32	27					32	27	59	59		
Cement, bricks, etc.	134	684					134	11	134	134		
Coal, hard	207	3					207	3	891	891		
Coal, soft									3	3		
Dressed meats												
Flax												
Flour	45						45		45	45		
Fruits and vegetables	30						30		30	30		
Hay	21	50					21	50	71	71		
Household goods	34	11					34	11	45	45		
Iron, pig and bloom	9	1					9	1	10	10		
Iron and steel, all other	2						2		2	2		
Live stock	190	39					190	39	229	229		
Merchandise	1,106	969					1,106	969	2,075	2,075		
Oats	109						109		109	109		
Other mill products	19	2					19	2	21	21		
Other woods	12,563	23,214					12,563	23,214	35,777	35,777		
Ore, iron		15						15	15	15		
Peas	30						30		30	30		
Petroleum	27	3					27	3	30	30		
Potatoes	22	4					22	4	26	26		
Pulpwood	30	18,316					30	18,316	18,346	18,346		
Rye	6						6		6	6		
Sand	57						57		57	57		
Sawed lumber	453	4,473					453	4,473	4,926	4,926		
Shingles	46	19					46	19	65	65		
Square timber	21	232					21	232	253	253		
Sugar	11								11	11		
Salt	2								2	2		
Wheat	1,401	1					1,401	1	1,401	1,401		
Wines, liquors and beers	1								2	2		
Wool	1								1	1		
Total Freight	16,797	48,096					16,797	48,096	64,893	64,893		



